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What is claimed is:

- 1. An immunogenic composition, comprising: a first polypeptide coupled to a second polypeptide, wherein the second polypeptide is heterologous to a subject, the composition being capable of eliciting an immune response against an autologous antigen in the subject.
- 2. An immunogenic composition, comprising: a first polypeptide, wherein the first polypeptide is sufficiently homologous to an autologous polypeptide in a subject, coupled to a second polypeptide, wherein the second polypeptide is heterologous to the subject, the composition being capable of eliciting an immune response against an autologous antigen in the subject.
- 3. An immunogenic composition, comprising: a first polypeptide, which is autologous to a subject, coupled to a second polypeptide, which is heterologous to the subject, the composition being capable of eliciting an immune response against an autologous antigen in the subject.
 - 4. The composition of claim 3, wherein the subject is a human.
 - 5. The composition of claim 3, wherein the autologous antigen is a cell-associated antigen.
- 6. The composition of claim 5, wherein the autologous antigen is a cell surface receptor.
 - 7. The composition of claim 3, wherein the autologous antigen is a soluble antigen.
- 8. The composition of claim 7, wherein the autologous antigen is a cytokine or a hormone.

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- 9. The composition of <u>claim</u> 3, wherein the autologous antigen is selected from the group consisting of: CD64, sL-selectin, elastase, sCD16, CD46, TNF-α, sTNF-R75, sTNF-R55, TGF-β, CD40, CD154, lipoprotein (a), CD56, IL-10, IFN-γ, IL-2, IL-2R, CD45, IL-4, IgE, EGFR, TGF-β, CD54, sCD44 v5, and CD95.
- 10. The composition of claim 3, wherein the autologous antigen is a tumor-associated antigen.
- The composition of claim 3, wherein the autologous antigen is expressed by a B cell.
 - 12. The composition of claim 11, wherein the autologous antigen is expressed specifically by B cells.
- 13. The composition of claim 11, wherein the autologous antigen is expressed specifically by activated B cells.
 - 14. The composition of claim 3, wherein the first polypeptide and the second polypeptide are expressed as a fusion protein.
 - 15. The composition of claim 14, wherein the fusion protein is dimeric.
 - 16. The composition of claim 3, wherein the first polypeptide and the second polypeptide are coupled via a chemical linkage.
 - 17. The composition of claim 3, wherein the first polypeptide comprises at least a portion of a molecule selected from the group consisting of: CD79 α , CD79 β , CD20, and Ig.
- 30 18. The composition of claim 3, wherein the second polypeptide comprises at least one T helper cell epitope.

- 19. The composition of claim 3, wherein the second polypeptide comprises at least a portion of an Fc region of an immunoglobulin molecule.
- 20. A composition comprising a first polypeptide which is autologous to a human subject coupled to a second polypeptide which is heterologous to the human subject, wherein the composition is capable of eliciting an immune response to an autologous antigen targeted for reduction or elimination.
- 21. The composition of claim 20, wherein the autologous antigen is a cell-associated antigen.
 - 22. The composition of claim 20, wherein the autologous antigen is a soluble antigen.
- 15 23. The composition of claim 20, wherein the autologous antigen is selected from the group consisting of: CD64, sL-selectin, elastase, sCD16, CD46, TNF-α, sTNF-R75, sTNF-R55, TGF-β, CD40, CD154, lipoprotein (a), CD56, IL-10, IFN-γ, IL-2, IL-2R, CD45, IL-4, IgE, EGFR, TGF-β, CD54, sCD44 v5, and CD95.
- 20 24. The composition of claim 20, wherein the autologous antigen is a tumor-associated antigen.
 - 25. The composition of claim 20, wherein the autologous antigen is expressed by a B cell.
 - 26. The composition of claim 20, wherein the first polypeptide and the second polypeptide are expressed as a fusion protein.
 - 27. The composition of claim 26, wherein the fusion protein is dimeric.

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- 28. The composition of claim 20, wherein the first polypeptide comprises at least a portion of a molecule selected from the group consisting of: CD79 α , CD79 β , CD20, and Ig.
- 5 29. The composition of claim 20, wherein the second polypeptide comprises at least one T helper cell epitope
 - 30. The composition of claim 20, wherein the second polypeptide comprises at least a portion of an Fc region of an immunoglobulin molecule.
 - 31. A composition for targeting B cells in a subject comprising a first polypeptide, which is autologous to the subject, coupled to a second polypeptide, which is heterologous to the subject, wherein the first polypeptide comprises an immunogenic portion of a polypeptide expressed by a B cell in the subject and wherein the composition is capable of eliciting an immune response to an autologous B cell antigen in the subject.
 - 32. The composition of claim 31, wherein the autologous antigen is a cell-associated antigen.
 - 33. The composition of claim 31, wherein the autologous antigen is a B cell tumor-associated antigen.
- 34. The composition of claim 31, wherein the first polypeptide and the second polypeptide are expressed as a fusion protein.
 - 35. The composition of claim 34, wherein the fusion protein is dimeric.
- 36. The composition of claim 31, wherein the first polypeptide comprises at least a portion of a molecule selected from the group consisting of: CD79α, CD79β, CD20, and Ig.

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- 37. The composition of claim 31, wherein the second polypeptide comprises at least one T helper cell epitope
- 38. The composition of claim 31, wherein the second polypeptide comprises at least a portion of an Fc region of an immunoglobulin molecule.
 - 39. A composition comprising human polypeptide coupled to a polypeptide comprising at least a portion of a non-human immunoglobulin molecule.
- 10 40. The composition of claim 39, wherein the portion of the non-human immunoglobulin molecule is derived from the Fc portion of the immunoglobulin.
 - A nucleic acid molecule encoding a recombinant construct comprising a human polypeptide coupled to a non-human polypeptide, the construct being capable of eliciting an immune response against the human polypeptide in a human subject.
 - 42. A vector comprising the recombinant construct of claim 41.
 - 43. A host cell comprising the vector of claim 42.
 - 44. A method of inducing an immune response against an autologous antigen in a subject, comprising: administering to the subject an immunogenic composition comprising a first, autologous polypeptide coupled to a second, heterologous polypeptide, such that an immune response is induced to an autologous antigen in the subject.
 - 45. A method of inducing an immune response against an autologous antigen associated with a disorder in a human subject, comprising: administering to the subject an immunogenic composition comprising a first, autologous polypeptide coupled to a second, heterologous polypeptide, such that an immune response is induced to an autologous antigen in the subject.

- The method of claim 45, wherein the composition is administered to the subject more than once.
- The method of claim 45, wherein the immune response is a T-cell dependent antibody response.
 - 48. The method of claim 45, wherein the antibody response comprises the production of antibodies of the IgG isotype that bind to the autologous antigen.
- 10 49. The method of claim 45, wherein the autologous antigen is a cell-associated antigen.
 - 50. The method of claim 45, wherein the autologous antigen is a soluble antigen.
- 51. The method of claim 45, wherein the autologous antigen is selected from the group consisting of: CD64, sL-selectin, elastase, sCD16, CD46, TNF-α, sTNF-R75, sTNF-R55, TGF-β, CD40, CD154, lipoprotein (a), CD56, IL-10, IFN-γ, IL-2, IL-2R, CD45, IL-4, IgE, EGFR, TGF-β, CD54, sCD44 v5, and CD95.
- 52. The method of claim 45, wherein the disorder is selected from the group consisting of: cancer, allergy, arthritis, atherosclerosis, graft rejection, and inflammatory disease.
- The method of claim 46, wherein the autologous antigen is a tumor-associated antigen.
 - 54. The method of claim 46, wherein the autologous antigen is expressed by a B cell.

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- A method of reducing the total amount or concentration of at least one class of antibody in the blood of a human subject comprising: administering to the human subject an immunogenic composition comprising a first, autologous polypeptide coupled to a second, heterologous polypeptide, wherein the first autologous polypeptide comprises at least a portion of a molecule expressed by a B cell of the human subject such that the total amount or concentration of at least one class of antibody in the blood of the human subject is reduced.
- 56. A method of reducing the number or concentration of cells expressing a cell-associated, autologous antigen in a subject, comprising: administering to the subject an immunogenic composition, comprising a first, autologous polypeptide coupled to a second, heterologous polypeptide, such that the number or concentration of cells expressing the cell-associated, autologous antigen are reduced.
- 15 57. The method of claim 56, wherein the number or concentration of cells in the subject is reduced by at least about 50% relative to the number or concentration of cells in an untreated subject.
 - 58. The method of claim 57, wherein the cells are B cells.
 - 59. A method of reducing the amount or concentration of a soluble autologous antigen present in a subject comprising: administering to the subject an immunogenic composition comprising a first, autologous polypeptide coupled to a second, heterologous polypeptide, such that an immune response is induced to a soluble autologous antigen in the subject.